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(54) Title: POLYPEPTIDES FOR INDUCING A PROTECTIVE IMMUNE RESPONSE AGAINST STAPHYLOCOCCUS AUREUS

MRDKKGPVNKRVDFLSNKLNKYSIRKFTVGTASILIGSLMYLGTQQEAAEAENNIENPTTLK
DNVQSKEVKIEEVTKNDTAPQGVAKSEVTSNKDTIEHEPSVKAEDISKEDTPKEVADVAE
VQPKSSVTHNAETPKVRKARSVDEGSFDITRDSKNVVESTPTITIQQKEHFEYGSVDIQKKP
TDLGVSEVTRFNVGNE SNGLIGALQLKNKIDFSKDFNFKVRVANNHQSNTTGADGWGFLFSK
GNAEEYL TNGGILGDKGLVNSGGFKIDTGYIYTSSMDKTEKQAGQGYRGYGA FVKNDSSGNS
QMVGENIDKSKTNFLNYADNSTNTSDGKFHGRQLNDVILTYVASTGKMRAEYAGKTWETSIT
DLGLSKNQAYNFLITSSQRWGLNQGINANGWMRTDLKGSEFTFTPEAPKTEITTELEKKVLEEIP
FKKERKFNPD LAPGTEKVTREGOKGEKTTITPTLKNPLTGVIISKGEPEKEITKDPINELTE
YGPETIAPGHRDEFDPKLPTGEKEEVPKGPGIKNPETGDVVRPPVDSVTKYGPVKGDSIVEK
EEIPFEKERKFNPD LAPGTEKVTREGOKGEKTTITPTLKNPLTGVIISKGEPEKEITKDPIN
ELTEYGPETITPGHRDEFDPKLPTGEKEEVPKGPGIKNPETGDVVRPPVDSVTKYGPVKGDS
IVEKEEIPFKKERKFNPD LAPGTEKVTREGOKGEKTTITPTLKNPLTGVIISKGESKEEITK
DPINELTEYGPETITPGHRDEFDPKLPTGEKEEVPKGPGIKNPETGDVVRPPVDSVTKYGPV
KGDSIVEKEEIPFKKERKFNPD LAPGTEKVTREGOKGEKTTITPTLKNPLTGVIISKGESKE
EITKDPINELTEYGPETITPGHRDEFDPKLPTGEKEEVPKGPGIKNPETGDVVRPPVDSVT
YGPVKGDSIVEKEEIPFEKERKFNPD LAPGTEKVTREGOKGEKTTITPTLKNPLTGVIISKG
ESKEEITKDPVNELTEFGGEKIPQGHKIDFDPNLPTDQTEKVPKGPGIKNPDTGKVIEEPVD
DVIKHGPKTGTPETKTVEIPFETKREFNPKLPGEERVKQEGQPGSKTITPTITVNPLTGK
VGEGQPTTEEITKQPVDKIVEFGGEKPKDPKGPENPEKPSRPTHSPGPVNPNNPGLSKDRAP
NGPVHSMKNDKVKKSKIAKESVANQEKKRAELPKTGLESTQKGLIFSSIIIGIAGLMLLARR
RKN

(57) Abstract: The present invention features polypeptides comprising an amino acid sequence structurally related to SEQ ID NO: 1 and uses of such polypeptides. SEQ ID NO: 1 is a truncated derivative of a full length *S. aureus* polypeptide. The full-length polypeptide is referred to herein as full length "ORF0594". A His-tagged derivative of SEQ ID NO: 1 was found to produce a protective immune response against *S. aureus*.

WO 2005/086663 A2



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